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NAVAL SURFACE WARFARE CENTER, CAP PHILADELPHIA NAVAL BUSINESS CTR. CODE 3351: C. D'ALONZO-FERRARO 5001 SOUTH BROAD STREET PHILADELPHIA, PA 19112-5083	RD <del>EROCK DIVISION</del>	See Item 6			
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X The above numbered solicitation is amended as set forth in l Offers must acknowledge receipt of this amendment prior t	_	· ·		,	tended.
RECEIVED AT THE PLACE DESIGNATED FOR THE R REJECTION OF YOUR OFFER. If by virtue of this amend provided each telegram or letter makes reference to the soli  2. ACCOUNTING AND APPROPRIATION DATA  2. ACCOUNTING AND APPROPRIATION DATA  2. ACCOUNTING AND APPROPRIATION DATA  3. ACCOUNTING AND APPROPRIATION DATA  3. ACCOUNTING AND APPROPRIATION DATA  3. ACCOUNTING AND APPROPRIATION DATA  4. ACCOUNTING APPROPRIATION DATA  4. ACCOUNTING APPROPRIATION DATA  4. ACCOUNTING APPROPRIATION DATA  4. ACCOUNTING APPROPRIATION DATA  4. AC	lment you desire to change an officitation and this amendment, and	er already submitted, such change may be ma	ade by telegra		
13 THIS ITEM	APPLIES ONLY TO MOI	DIFICATIONS OF CONTRACTS/O	RDERS		
		DER NO. AS DESCRIBED IN ITEM			
A.THIS CHANGE ORDER IS ISSUED PURSUA CONTRACT ORDER NO. IN ITEM 10A.		•			
B.THE ABOVE NUMBERED CONTRACT/ORI office, appropriation date, etc.) SET FORTH I	DER IS MODIFIED TO RE N ITEM 14, PURSUANT T	FLECT THE ADMINISTRATIVE ( TO THE AUTHORITY OF FAR 43.1	CHANGES 103(B).	(such as changes	in paying
C.THIS SUPPLEMENTAL AGREEMENT IS EN	ITERED INTO PURSUAN	T TO AUTHORITY OF:			
D.OTHER (Specify type of modification and auth	ority)				(Wilson)
E. IMPORTANT: Contractor is not,	is required to sign this o	document and return c	opies to th	e issuing office.	
4. DESCRIPTION OF AMENDMENT/MODIFICAtion where feasible.)	ATION (Organized by UCF	section headings, including solicita	tion/contra	ct subject matter	
This amendment is issued to respond to inquiri Machinery Control Systems (Version 1.1) and offers is extended to 4:00 P.M. on 26 June 200	to make various changes				
		•			
except as provided herein, all terms and conditions of the docum	ent referenced in Item 9A or 10A	, as heretofore changed, remains unchanged	and in full for	rce and effect.	
5A. NAME AND TITLE OF SIGNER (Type or pri		16A. NAME AND TITLE OF CONT			or print)
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NAME OF OFFEROR OR CONTRACTOR

#### SECTION SF 30 BLOCK 14 CONTINUATION PAGE

# I. QUESTIONS/ANSWERS

# **QUESTION 1:**

In Table 1.8 the first 5, entries contain a device code which does not appear in the list of codes. Please explain.

#### ANSWER:

The first 5 entries in Table 1.8 should read: "AI10, AI12, AI14, AI15 and AI20" in lieu of "I10, I12, I14, I15 and I20" respectively.

# **QUESTION 2:**

Paragraph 1.6 states the Man Machine Interface (MMI) Computer Program shall be furnished by the Government, whereas Paragraph 4.5.2.5 appears to indicate the MMI shall be provided by the contractor. Please clarify. Because some of the system effort will be responsibility of the contractor, who will have responsibility for the operation of the entire system?

#### ANSWER:

The Government will be responsible for the entire system. The contractor shall be responsible for furnishing PLC based units and, as indicated in Paragraph 1.6, for providing a software interface between the MMI and the PLCs. Paragraph 4.5.2.5 addresses the requirements for this interface software, which will reside on the Windows NT Workstations that will communicate with the PLCs.

#### **QUESTION 3:**

Paragraph 6.1 states the assembled systems "may include enclosures, mounting and wiring of relays, motor starters, transformers, and disconnecting means, interface cables and connectors or other control devices..." Who is responsible for providing these components? Are the components to be new? Are these components to be mounted within the PLC enclosures and, if not, are they to be mounted within new enclosures? Is the contractor required to provide any wiring outside the PLC enclosures or to terminate any wiring on board the vessels? Is the effort covered by Paragraph 6.1 to be priced as additional effort by the contractor after award?

# **CONTINUATION SHEET**

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#### ANSWER:

Paragraph 6.1 addresses components of the PLC enclosures to be furnished by the contractor. All supplies to be furnished shall be new in accordance with Clause 52.211-5 of the solicitation. Components may be mounted within the PLC enclosures if space permits, otherwise they may be mounted within another support enclosure as addressed in Paragraph 2.1. The contractor will not be required to provide any wiring outside the enclosures or to terminate any wiring on board the vessels. The effort covered by Paragraph 6.1 is to be included in the price for Items 0001AA, 0001AB, 0001AC, 0001AD and 0001AE and will not be "priced as additional effort by the contractor after award."

# **QUESTION 4:**

Paragraph 4.6.5 specifies the contractor is to provide a multi-point communications network capability for up to 10,000 feet of cable. Paragraph 1.6 states the Government will furnish the fiberoptic network. Please clarify.

#### ANSWER:

The Government will provide the fiberoptic network as specified in paragraph 1.6. The PLC enclosures to be furnished by the contractor shall provide secondary network interface capabilities other than Ethernet (e.g. Coaxial) that will allow for a multi-port communication network providing a data transfer path for up to 64 Programmable Controllers and/or mini-micro computers. The communicating stations may be distributed anywhere along a single bus that extends a maximum 10,000 cable feet in length.

# **QUESTION 5:**

Paragraph 6.3 states the contractor shall wire all Programmable Controller inputs and outputs to customer-specified terminal blocks? Will the Government provide the terminal blocks? If not, how is the contractor to price the terminal blocks? Are the terminal blocks to be located within the PLC's?

#### ANSWER:

The terminal blocks shall be provided by the contractor as specified in Paragraph 3.1 and the terminal blocks shall be housed in the enclosure as specified in Paragraph 3.2. "Customer-specified" in Paragraph 6.3 means the contractor. The price of the terminal blocks shall be included in the price of Items 0001AA, 0001AB, 0001AC, 0001AD and 0001AE.

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# **QUESTION 6:**

How will the Government procure the Windows NT based processors referenced in Paragraph 6.1? Does the Government intend to develop the MMI using only direct Government employees? Does the Government intend to contract for any part of the development of the MMI and, if so, does the Government intend to accomplish this through modification of any existing contract vehicle or does the Government intend to compete this effort?

#### ANSWER:

No answers to these questions are provided since they are not relevant to the preparation and submission of offers under this solicitation.

# **QUESTION 7:**

Do we need emi filters on all the I/O wires or just a case designed for emi? Are we to provide test data on the enclosures (have them at least one tested to meet Mil-Std-461)? For shock vibration do we need to have them tested to meet the specification.

# ANSWER:

EMI filters may be required to ensure the enclosures are EMI hardened and capable of meeting the requirements of Military Standard MIL-STD-461 as specified in Specification Paragraph 2.3. Offerors proposing to furnish an Integrated Machinery Control System that has previously been tested or found to comply with the environmental requirements set forth in the Specification need not perform any tests. Documentation to support compliance with the environmental requirements must be provided as part of the offeror's Technical Proposal. An offeror proposing to furnish a System that has not been previously tested or otherwise found to meet the environmental requirements must include as part of their Technical Proposal information on the tests it intends to perform to demonstrate compliance with the environmental requirements. Item 0002AK has been established to provide for the submission of documentation (i.e. test results) supporting compliance with the environmental requirements.

# **QUESTION 8:**

Will the fiber optics terminate inside each enclosure or will that happen outside each enclosure?

## ANSWER:

11

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The Government will install the network cables/connections inside each enclosure. The enclosure to be furnished by the contractor shall possess the necessary network interface capabilities.

II. Block 13b of the Standard Form 1449 is corrected to read "DO-A3."

III. a. Item 0002AK is added to page 5 as follows:

Item No.	Supplies/Services	Quantity	Unit	<b>Unit Price</b>	Amount
0002AK	Environment	1	LOT	*NSP	*NSP
	Requirements				
	Documentation				
	Sequence No. A004				
	Base Quantity				

NOTE: Offerors are requested to include the price, if any, for Item 0002AK in the price for Item 0001AA and 0001AB. This item will not be included in any resulting contract for offerors that are intending to furnish an IMCS that has already successfully met the environment requirements set forth in the Procurement Specification and include acceptable supporting documentation as part of their Technical Proposal.

\*NSP - Not Separately Priced

III. b. Item 0002AC is corrected to read as follows:

Item No.	Supplies/Services	Quantity	Unit	<b>Unit Price</b>	Amount
0002AC	Final Drawings	1	LOT	*NSP	*NSP
	for Item 0001AC,				
	Sequence No. A002				

<sup>\*</sup>NSP – Not Separately Priced

III. c. The description for Item 0002AH is corrected to read "Technical Manuals for Item 0002AD" in lieu of "Technical Manuals for Item 0001AC."

IV. a. The first 5 entries in Table 1.8 of the Procurement Specification for ARS-50 Class Integrated Machinery Control System, Version 1.1, are corrected to read: "AI10, AI12, AI14, AI15 and AI20."

# **CONTINUATION SHEET**

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- IV. b. Paragraph 4.6.5 of the Procurement Specification for ARS-50 Class Integrated Machinery Control System, Version 1.1 is corrected to read: "The PLC enclosures to be furnished by the contractor shall provide secondary network interface capabilities other than Ethernet (e.g. Coaxial) that will allow for a multi-port communication network providing a data transfer path for up to 64 Programmable Controllers and/or mini-micro computers. The communicating stations may be distributed anywhere along a single bus that extends a maximum 10,000 cable feet in length."
- IV. c. Section 7 listed on page 46 of the Procurement Specification for ARS-50 Class Integrated Machinery Control System, Version 1.1, entitled "Environmental Specification" is changed to read as follows:
- 7. ENVIRONMENTAL SPECIFICATIONS
- 7.1 All material within the enclosures must be able to meet the following environmental requirements:
- A. Shock specifications must meet MIL STD 901D
- B. Vibration specifications must meet MIL STD 167 1 (Ships)
- C. RFI specifications must meet current version MIL STD 461
- D. All material must be able to operate in 130 degree F Ambient environments
- E. All material must be able to operate with external humidity ranging from 5% to 95% non-condensing.
- 7.2 The Contractor shall provide documentation demonstrating the System it proposes to furnish complies with the environmental requirements set forth in paragraph 7.1 as part of its Technical Proposal, or submit information on the tests it intends to perform to demonstrate compliance.
- IV. d. Clause 52.211-8, listed on page 58 of the solicitation is hereby revised as follows:
- 52.211-8 TIME OF DELIVERY (JUN 1997)
- (a) The Government requires delivery to be made according to the following schedule:

**ITEM** 

Within Days After Date of Contract

## **CONTINUATION SHEET**

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OF

NAME OF OFFEROR OR CONTRACTOR

0001AA, 0001AB, 0002AB 0002AF, 0005AA and 0005AB 120 days After Date of Contract (ADC)

| 0001AC, 0001AD, 0001AE, 0002AC, 0002AD, 0002AE, 0002AH, 0002AJ, 0005AC, 0005AD

90 days After date of contract modification

0003AA and 0004AA

and 0005AE

180 days After Date of Contract (ADC)

0003AB, 0003AC and 0003AD,

45 days of date of contract modification

0004AB, 0004AC and 0004AD

30 days After Date of Contract

0002AK

0002AA

90 days After Date of Contract

0006AA, 0006AB, 0006AC, 0007AA, 0007AB, 0007AC, 0008AA, 0008AB,

60 days of date of contract modification

0008AC, 0009AA, 0009AB

and 0009AC

The Government will evaluate equally, as regards time of delivery, offers that propose delivery of each quantity within the applicable delivery period specified above. Offers that propose delivery that will not clearly fall within the applicable required delivery period specified above, will be considered nonresponsive and rejected. The Government reserves the right to award under either the required delivery schedule or the proposed delivery schedule, when an offeror offers an earlier delivery schedule than required above. If the offeror proposes no other delivery schedule, the required delivery schedule above will apply.

OFFEROR'S PROPOSED DELIVERY SCHEDULE

Within Days

After Date

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NAME OF OFFEROR OR CONTRACTOR			<del>Name of</del>
Item No. Quantity of Contract			
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results in a binding contract. To award or notice of award not be compute the time available for the date the written notice of a mails. However, the Governme Contractor's date of receipt of delivery of the award through that the contract or notice of a excludes weekends and U.S. I	f offer mailed, or otherwise furnishe Government will mail or other ater than the day award is dated. It performance beginning with the award is received from the Contract ent will evaluate an offer that project the contract or notice of award by the ordinary mails, or (2) one workward will be transmitted electronic federal holidays.) If, as so computy date, the offer will be considered	rwise furnish to the offeror an Therefore, the offeror should actual date of award, rather that cting Officer through the ordina poses delivery based on the adding (1) five calendar days trking day if the solicitation state cally. (The term "working day" ted, the offered delivery date is	for es
(End of clause)			
V. Clause 52.212-2, shown of Items (JAN 1999) is hereby an	n page 69 of the solicitation, entitlemended as follows:	led "Evaluation—Commercial	
52.212-2 EVALUATION	COMMERCIAL ITEMS (JAN 19	999)	
offeror whose offer conforming price and other factors consider Technical Design and Capability	rd a contract resulting from this song to the solicitation will be most a gred. The following factors shall blity, Corporate Experience, Past Polymportance. Price is the least importance.	advantageous to the Government of used to evaluate offers: erformance, Quality System and	ŕ
• •	include a Technical Proposal as prailure to provide a Technical Pro	<u>-</u>	n

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED N65540-00-R-0031-0002	PAGE 9	OF	11	

of any offer. The Technical Proposal shall address each of the following evaluation factors as described below:

# (1) Technical Design and Capability:

The offeror shall furnish information on the Integrated Machinery Control System, the Associated Technical Data, Training, Spare Parts and On-Site Technical Support it intends to furnish. This information shall be specific and detailed to permit the Government to conduct a thorough assessment and make a sound determination that the supplies and services to be furnished comply with the requirements set forth in the Procurement Specification. This shall include information on the design of the System and its components, as well as essential operational and performance features and characteristics and include specifications, electrical power requirements, application considerations, assembly and installation procedures, power up procedures, troubleshooting procedures, programming procedures, an explanation of internal fault diagnostics, shut down procedures and preventative maintenance procedures. The offeror shall furnish information on compliance with the shock, vibration and EMI requirements set forth in the Procurement Specification. The Technical Proposal shall address the PLC Enclosure, PLC Enclosure Components and Sub-Systems, Operator Terminals and System assembly. The Technical Proposal shall also address the technical documentation to be furnished. All components shall be standard commercial items that are easily replaceable or interchangeable and offerors shall provide existing commercial literature for System components. Offerors shall address the duration and content of the Training Services it intends to furnish under Item 0003, and a list and description of the Spare Parts it proposes to supply under item 0005. The Technical Proposal shall include information describing the qualifications of the individual(s) it proposes to furnish under items Items 0006 and 0007. Offerors are also required to identify the type and extent of technical customer support (i.e. troubleshooting software, toll-free telephone assistance, etc.) it proposes to furnish under any resulting contract. Greater weight will be given to offerors that exceed the Specification requirements.

The offeror must furnish information demonstrating that the Integrated Machinery Control System it | intends to furnish meets the environmental requirements (Shock, Vibration, RFI, etc.) set forth in the | Procurement Specification. This can be accomplished by providing documentation that the System to be | furnished has been previously tested or otherwise demonstrated to have successfully met the environmental | requirements, or the offeror shall provide information on the tests it intends to perform to demonstrate the | System it intends to furnish will successfully meet the environmental requirements.

# (2) Corporate Experience:

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The offeror shall provide information demonstrating its experience in the design, manufacture, fabrication, assembly and testing of machinery control or similar systems. This shall include a description of the offeror's facilities, equipment and resources, or the ability to obtain them, necessary to furnish the ARS-50 Class Integrated Machinery Control System. Greater value will be given to m ore relevant (systems of similar design and application) and recent corporate experience.

# (3) Past Performance

The Navy intends to review the Contractor Performance Assessment Reporting System (CPARS) ratings of an offeror's performance of relevant contracts. In the event the Navy cannot obtain adequate CPARS rating information regarding a particular offeror, the Navy will review past performance information provided as part of the Technical Proposal and may consider other relevant past performance information from sources other than those identified by the offeror. General trends in a contractor's performance will also be considered.

Each offeror shall provide in its proposal information regarding its past performance of contracts similar to the Navy requirement that it would like the Navy to consider to determine the offeror has a record of satisfactory past performance. Such information may be in the nature of additional information to that which the Navy has readily available, or which has already been rated under the CPARS system, or which the offeror considers essential to the Navy's evaluation or explanatory information of substandard or poor performance and the corrective actions taken to prevent a recurrence. The Navy reserves the right to verify statements and representations made in an offeror's proposal.

To assist the Navy in performance the past performance evaluation defined above, offerors shall provide a synopsis of the five most recent Government contracts which involved similar or related work performed (or currently performing) in the last three (3) years. The offeror may identify Federal, State and Local government and private contracts that are similar to the statement of work for ongoing contracts or contracts completed in the past three (3) years. For each contract, the contractor shall provide a narrative discussion of the work performed and a list that provides the following information:

- 1. Contract Number
- 2. Customer/Agency
- 3. Contracting Officer (name and phone number)
- 4. Contract Type
- 5. Award Price
- 6. Contract Deliverables

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7. Contract Summary – The contract summary shall provide a descriptive overview of the contract, not

exceeding one page in length, including a discussion of actual performance under each contract listed, problems encountered and how they were resolved, timeliness of deliverables required, business relationships, management of key personnel, and any other areas deemed necessary to provide insight into actual performance issues. Offerors shall also discuss their past performance in complying with 52.219-8, "Utilization of Small Business Concerns." Imcomplete data may not be considered.

## (4) Quality System

The offeror shall provide information on its existing inspection or quality system to ensure compliance with quality requirements. This should clearly describe the methods and controls used during purchasing, manufacturing, fabrication, assembly, inspection and testing of products. If the offeror's existing inspection or quality system meets the requirements of a higher level quality standard, such as ANSI/ASQC 9001, 9002 or 9003, supporting documentation should be provided as part of the Technical Proposal under this factor. Greater weight will be given to offerors that possess an inspection or quality system that complies to a higher level quality standard.

# (5) <u>Price</u>

- (c) Options. The Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirement. The Government may determine that an offer is unacceptable if the option prices are significantly unbalanced. Evaluation of options shall not obligate the Government to exercise the option(s).
- (d) A written notice of award or acceptance of an offer, mailed or otherwise furnished to the successful offeror within the time for acceptance specified in the offer, shall result in a binding contract without further action by either party. Before the offer's specified expiration time, the Government may accept an offer (or part of an offer), whether or not there are negotiations after its receipt, unless a written notice of withdrawal is received before.
- VI. The DD Form 1423, "Contract Data Requirements List," Attachment Number 1 to the solicitation is replaced in its entirety by the DD Form 1423 provided as Exhibit A to this amendment.

# **CONTRACT DATA REQUIREMENTS LIST**

Form Approved OMB No. 0704-0188

existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget. Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government issuing Contracting Officer for the Contract/PR No. listed in Block E.

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